

**SYSTEM AND METHOD FOR DYNAMIC ALLOCATION OF COMPUTING
TASKS**

5

ABSTRACT

A method and system to allocate computing tasks in a distributed computing
10 environment. The preferred embodiments of this system would enable a client to
distribute its computing tasks to a suitable fulfillment server that has all the required
client attributes, computing task attributes, and server attributes. The invention enables
distribution of computing task according to various attributes of a user, a server, and a
computing task. The system is scalable as additional sets of distributor servers can be
15 added to manage the fulfillment servers. In addition, new distributor servers can be added
to manage pre-existing distributor servers. Also, the distributor servers can be
programmed to consider various attributes according to the usage of the system. In an
alternative embodiment, the system can be used to parse a highly intense computing task
into components and distribute said components to fulfillment servers that have idle
20 computing power.